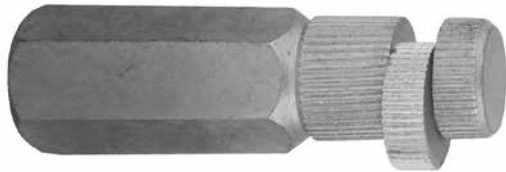




### Internal Nipple Wrench

- CAM Type
- Removes or inserts
- Heat treated
- Cadmium plated



PART NUMBER	NIPPLE SIZE
4531	1/2"
4532	3/4"
4533	1"

### Thread & Nipple Key

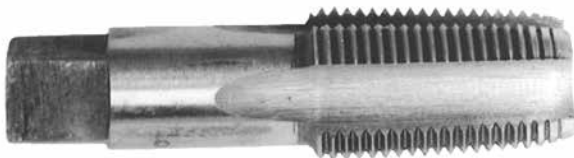
- Unlocks any thread or nipple
- Excellent for chrome work
- Precision machined and hardened
- Loosens and tightens
- Designed to grip internally
- Removes broken nipple threads from fittings



PART NUMBER	SIZES
4511	1/2" IPS Internal Wrench
4512	3/4" IPS Internal Wrench
4513	1" IPS Internal Wrench

### Pipe Taps

- High carbon steel
- Tapered thread taps



PART NUMBER	PIPE SIZE	NO. OF NPT	TAP DRILL SIZE
4812	1/8"	27	1/8"
4813	1/4"	18	7/16"
4814	3/8"	18	37/64"
4815	1/2"	14	45/64"
4816	3/4"	14	59/64"
4817	1"	11-1/2	1-5/32"
4818	1-1/4"	11-1/2	1-1/2"
4819	1-1/2"	11-1/2	1-47/64"
4820	2"	11-1/2	2-7/32"

### Nipple and Screw Extractors

- Removes nipples, bolts and screws
- Left hand spiral tapered flute removes broken piece without thread damage



PART NUMBER	IND ID#	PIPE SIZE	DRILL SIZE	BOLT SCREW SIZE
4827	4	1/8"	1/4"	9/32" to 3/8"
4828	5	1/4"	19/64"	3/8" to 5/8"
4829	6	3/8"	13/32"	5/8" to 7/8"
4830	7	1/2"	17/32"	7/8" to 1-1/8"
4831	8	3/4"	13/16"	1-1/8" to 1-3/8"
4832	9	1"	1-1/16"	1-3/8" to 2"